

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Eugene MAKEYEV et al.
Title: METHODS AND KITS FOR MASS PRODUCTION OF DSRNA
Int'l. Appl. No.: PCT/FI2004/000347
Int'l. Filing Date: 6/7/2004
Examiner: Unassigned
Art Unit: Unassigned

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b), within three (3) months of the filing date of the application.

RELEVANCE OF EACH DOCUMENT

The documents being cited in the attached PTO/SB/08 were cited as being relevant during the prosecution of the corresponding international application. A copy of the International Search Report is attached setting forth the portion of the documents considered relevant by the examiner. A copy of the cited references listed in the Search Report are not being submitted herewith.

Applicants respectfully request that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date: 5 December 2005

By Stephen A. Bent

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Date Submitted: December 5, 2005

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Sheet

1

of

1

Application Number

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December 5, 2005

First Named Inventor

Eugene MAKEYEV

Group Art Unit

Unassigned

Examiner Name

Unassigned

Attorney Docket Number

034144-0106

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	A1		WO 01/46396 A		Dennis BAMFORD et al.	6/28/2001		
	A2		DE 102 25 066 A		BASF PLANT SCIENCE GMBH	12/18/2003		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	A3	S. ONODERA et al., "CONSTRUCTION OF A TRANSDUCING VIRUS FROM DOUBLE-STRANDED RNA BACTERIOPHAGE PH16: ESTABLISHMENT OF CARRIER STATES IN HOST CELLS", Journal of Virology, Vol. 66, No. 1, January 1, 1992, pp. 190-196.	
	A4	E. MAKEYEV et al., "Replicase activity of purified recombinant protein P2 of double-stranded RNA bacteriophage phi6", EMBO (EUROPEAN MOLECULAR BIOLOGY ORGANIZATION) JOURNAL, vol. 19, no. 1, January 4, 2000, pp. 124-133.	
	A5	E. MAKEYEV et al., "The polymerase subunit of a dsRNA virus plays a central role in the regulation of viral RNA metabolism", EMBO (EUROPEAN MOLECULAR BIOLOGY ORGANIZATION) JOURNAL, vol. 19, no. 22, 11/15/2000, pp. 6275-6284.	
	A6	Jason MYERS et al., "Recombinant Dicer efficiently converts large dsRNAs into siRNAs suitable for gene silencing", NATURE BIOTECHNOLOGY, vol. 21, no. 3, March 2003, pp. 324-328.	
	A7	Minna M. PORANEN et al., "Self-assembly of a viral molecular machine from purified protein and RNA constituents" MOLECULAR CELL, vol. 7, no. 4, April 2001, pp. 845-854.	
	A8	Dun YANG et al., "Short RNA duplexes produced by hydrolysis with Escherichia coli RNase III mediate effective RNA interference in mammalian cells", Proceedings of the National Academy of Sciences of USA, vol. 99, no. 15, July 23, 2002, pp. 9942-9947.	
	A9	Eugene MAKEYEV et al., "Evolutionary potential of an RNA virus", JOURNAL OF VIROLOGY, vol. 78, no. 4, February 2004, pp. 2114-2120.	

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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